

WEST Search History

[Hide Items](#)[Restore](#)[Clear](#)[Cancel](#)

DATE: Friday, October 28, 2005

Hide? Set Name Query

Hit Count

DB=PGPB,USPT; PLUR=YES; OP=ADJ

<input type="checkbox"/>	L4	5215743.pn. or 4894225.pn. or 4980160.pn. or 5942417.pn.	4
<input type="checkbox"/>	L3	L2 not l1	3
<input type="checkbox"/>	L2	PRO1356 or (pro 1356) or dna64886?	709
<input type="checkbox"/>	L1	godowski-p\$.in.	1780

END OF SEARCH HISTORY

=> d his

(FILE 'HOME' ENTERED AT 14:02:11 ON 28 OCT 2005)

FILE 'MEDLINE' ENTERED AT 14:02:19 ON 28 OCT 2005

L1 505 S CLAUDIN?

L2 51 S CLAUDIN-2

FILE 'STNGUIDE' ENTERED AT 14:05:36 ON 28 OCT 2005

FILE 'EMBASE, CAPLUS' ENTERED AT 14:15:17 ON 28 OCT 2005

L3 148 S CLAUDIN-2

FILE 'EMBASE, CAPLUS, MEDLINE' ENTERED AT 14:16:01 ON 28 OCT 2005

L4 178 S (CLD2 OR CLDN2 OR UNQ705 OR HJNCT OR SP82) AND PY<2000

=>

=> s claudin-2 (15a) human
L1 24 CLAUDIN-2 (15A) HUMAN

=> d ti, au, so 1-24

L1 ANSWER 1 OF 24 MEDLINE on STN
TI Interleukin-13 is the key effector Th2 cytokine in ulcerative colitis that affects epithelial tight junctions, apoptosis, and cell restitution.
AU Heller Frank; Florian Peter; Bojarski Christian; Richter Jan; Christ Melanie; Hillenbrand Bernd; Mankertz Joachim; Gitter Alfred H; Burgel Nataly; Fromm Michael; Zeitz Martin; Fuss Ivan; Strober Warren; Schulzke Jorg D
SO Gastroenterology, (2005 Aug) 129 (2) 550-64.
Journal code: 0374630. ISSN: 0016-5085.

L1 ANSWER 2 OF 24 MEDLINE on STN
TI Differential expression of **claudin-2** along the **human** intestine: Implication of GATA-4 in the maintenance of **claudin-2** in differentiating cells.
AU Escaffit F; Boudreau F; Beaulieu J-F
SO Journal of cellular physiology, (2005 Apr) 203 (1) 15-26.
Journal code: 0050222. ISSN: 0021-9541.

L1 ANSWER 3 OF 24 MEDLINE on STN
TI Tight junction proteins ZO-1, occludin, and claudins in developing and adult human perineurium.
AU Pummi Kati P; Heape Anthony M; Grenman Reidar A; Peltonen Juha T K; Peltonen Sirkku A
SO journal of histochemistry and cytochemistry : official journal of the Histochemistry Society, (2004 Aug) 52 (8) 1037-46.
Journal code: 9815334. ISSN: 0022-1554.

L1 ANSWER 4 OF 24 MEDLINE on STN
TI Functional crosstalk between Wnt signaling and Cdx-related transcriptional activation in the regulation of the claudin-2 promoter activity.
AU Mankertz Joachim; Hillenbrand Bernd; Tavalali Shida; Huber Otmar; Fromm Michael; Schulzke Jorg Dieter
SO Biochemical and biophysical research communications, (2004 Feb 20) 314 (4) 1001-7.
Journal code: 0372516. ISSN: 0006-291X.

L1 ANSWER 5 OF 24 MEDLINE on STN
TI Cloning of the **human claudin-2** 5'-flanking region revealed a TATA-less promoter with conserved binding sites in mouse and **human** for caudal-related homeodomain proteins and hepatocyte nuclear factor-1alpha.
AU Sakaguchi Takanori; Gu Xiubin; Golden Heidi M; Suh EunRan; Rhoads David B; Reinecker Hans-Christian
SO Journal of biological chemistry, (2002 Jun 14) 277 (24) 21361-70.
Electronic Publication: 2002-04-04.
Journal code: 2985121R. ISSN: 0021-9258.

L1 ANSWER 6 OF 24 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
TI Interleukin-13 is the key effector Th2 cytokine in ulcerative colitis that affects epithelial tight junctions, apoptosis, and cell restitution.
AU Heller F.; Florian P.; Bojarski C.; Richter J.; Christ M.; Hillenbrand B.; Mankertz J.; Gitter A.H.; Burgel N.; Fromm M.; Zeitz M.; Fuss I.; Strober W.; Schulzke J.D.
SO Gastroenterology, (2005) Vol. 129, No. 2, pp. 550-564.
Refs: 43
ISSN: 0016-5085 CODEN: GASTAB

L1 ANSWER 7 OF 24 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
 TI Differential expression of **claudin-2** along the **human** intestine: Implication of GATA-4 in the maintenance of **claudin-2** in differentiating cells.
 AU Escaffit F.; Boudreau F.; Beaulieu J.-F.
 SO Journal of Cellular Physiology, (2005) Vol. 203, No. 1, pp. 15-26.
 Refs: 55
 ISSN: 0021-9541 CODEN: JCLLAX

L1 ANSWER 8 OF 24 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
 TI Tight junction proteins ZO-1, occludin, and claudins in developing and adult human perineurium.
 AU Pummi K.P.; Heape A.M.; Grenman R.A.; Peltonen J.T.K.; Peltonen S.A.
 SO Journal of Histochemistry and Cytochemistry, (2004) Vol. 52, No. 8, pp. 1037-1046.
 Refs: 31
 ISSN: 0022-1554 CODEN: JHCYAS

L1 ANSWER 9 OF 24 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
 TI Functional crosstalk between Wnt signaling and Cdx-related transcriptional activation in the regulation of the claudin-2 promoter activity.
 AU Mankertz J.; Hillenbrand B.; Tavalali S.; Huber O.; Fromm M.; Schulzke J.-D.
 SO Biochemical and Biophysical Research Communications, (20 Feb 2004) Vol. 314, No. 4, pp. 1001-1007.
 Refs: 28
 ISSN: 0006-291X CODEN: BBRCA

L1 ANSWER 10 OF 24 EMBASE COPYRIGHT (c) 2005 Elsevier B.V. All rights reserved on STN
 TI Cloning of the **human claudin-2** 5'-flanking region revealed a TATA-less promoter with conserved binding sites in mouse and **human** for caudal-related homeodomain proteins and hepatocyte nuclear factor-1 α .
 AU Sakaguchi T.; Gu X.; Golden H.M.; Suh E.; Rhoads D.B.; Reinecker H.-C.
 SO Journal of Biological Chemistry, (14 Jun 2002) Vol. 277, No. 24, pp. 21361-21370.
 Refs: 55
 ISSN: 0021-9258 CODEN: JBCHA3

L1 ANSWER 11 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Interleukin-13 is the key effector Th2 cytokine in ulcerative colitis that affects epithelial tight junctions, apoptosis, and cell restitution
 AU Heller, Frank; Florian, Peter; Bojarski, Christian; Richter, Jan; Christ, Melanie; Hillenbrand, Bernd; Mankertz, Joachim; Gitter, Alfred H.; Buergele, Nataly; Fromm, Michael; Zeitz, Martin; Fuss, Ivan; Strober, Warren; Schulzke, Joerg D.
 SO Gastroenterology (2005), 129(2), 550-564
 CODEN: GASTAB; ISSN: 0016-5085

L1 ANSWER 12 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Differential expression of **claudin-2** along the **human** intestine: implication of GATA-4 in the maintenance of **claudin-2** in differentiating cells
 AU Escaffit, F.; Boudreau, F.; Beaulieu, J.-F.
 SO Journal of Cellular Physiology (2004), Volume Date 2005, 203(1), 15-26
 CODEN: JCLLAX; ISSN: 0021-9541

L1 ANSWER 13 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Derivatives of cyclic quinone that regulate gene expression for use in prevention or therapy of human diseases

IN Padia, Janak K.; O'Brien, Sean; Lu, Jiemin; Pikul, Stanislaw
SO PCT Int. Appl., 115 pp.
CODEN: PIXXD2

L1 ANSWER 14 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
TI Genes showing altered patterns of expression in colon cancer and their use
in diagnosis and therapy
IN Martinez, Robert Vincent; Brown, Eugene; Liu, Wei
SO PCT Int. Appl., 167 pp.
CODEN: PIXXD2

L1 ANSWER 15 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
TI Differentially expressed genes and encoded proteins involved in cancer and
their diagnostic and therapeutic uses
IN Bournier, Maureen J.; Bu, Jia-Ying J.; Head, Richard D.; Hippenmeyer, Paul
J.; Klein, Barbara K.; Mazzarella, Richard A.; Staten, Nicholas R.
SO PCT Int. Appl., 257 pp.
CODEN: PIXXD2

L1 ANSWER 16 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
TI Claudins 2, 3, 4, and 5 in Paget's disease and breast carcinoma
AU Soini, Ylermi
SO Human Pathology (2004), 35(12), 1531-1536
CODEN: HPCQA4; ISSN: 0046-8177

L1 ANSWER 17 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
TI Tight junction proteins ZO-1, occludin, and claudins in developing and
adult human perineurium
AU Pummi, Kati P.; Heape, Anthony M.; Grenman, Reidar A.; Peltonen, Juha T.
K.; Peltonen, Sirkku A.
SO Journal of Histochemistry and Cytochemistry (2004), 52(8), 1037-1046
CODEN: JHCYAS; ISSN: 0022-1554

L1 ANSWER 18 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
TI Functional crosstalk between Wnt signaling and Cdx-related transcriptional
activation in the regulation of the claudin-2 promoter activity
AU Mankertz, Joachim; Hillenbrand, Bernd; Tavalali, Shida; Huber, Otmar;
Fromm, Michael; Schulzke, Jorg-Dieter
SO Biochemical and Biophysical Research Communications (2004), 314(4),
1001-1007
CODEN: BBRCA9; ISSN: 0006-291X

L1 ANSWER 19 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
TI Tight junction-related protein expression and distribution in human
corneal epithelium
AU Ban, Yuriko; Dota, Atsuyoshi; Cooper, Leanne J.; Fullwood, Nigel J.;
Nakamura, Takahiro; Tsuzuki, Masakatsu; Mochida, Chikako; Kinoshita,
Shigeru
SO Experimental Eye Research (2003), 76(6), 663-669
CODEN: EXERA6; ISSN: 0014-4835

L1 ANSWER 20 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
TI Nucleic acids encoding human colon tumor-associated proteins and their
uses in therapy and diagnosis of colon cancer
IN Stolk, John A.; Xu, Jiangchun; Chenault, Ruth A.; Meagher, Madeleine Joy
SO U.S. Pat. Appl. Publ., 89 pp.
CODEN: USXXCO

L1 ANSWER 21 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
TI Vasculogenesis, Angiogenesis and the Molecular Organisation of Endothelial
Junctions in the Early Human Placenta
AU Leach, Lopa; Babawale, Michael O.; Anderson, Mark; Lammiman, Michael
SO Journal of Vascular Research (2002), 39(3), 246-259
CODEN: JVREE9; ISSN: 1018-1172

L1 ANSWER 22 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Cloning of the **human** claudin-2 5'-flanking
 region revealed a TATA-less promoter with conserved binding sites in mouse
 and **human** for caudal-related homeodomain proteins and hepatocyte
 nuclear factor-1 α
 AU Sakaguchi, Takanori; Gu, Xiubin; Golden, Heidi M.; Suh, EunRan; Rhoads,
 David B.; Reinecker, Hans-Christian
 SO Journal of Biological Chemistry (2002), 277(24), 21361-21370
 CODEN: JBCHA3; ISSN: 0021-9258

L1 ANSWER 23 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Interleukin-2 receptor β subunit-dependent and -independent
 regulation of intestinal epithelial tight junctions
 AU Nishiyama, Raisuke; Sakaguchi, Takanori; Kinugasa, Tetsushi; Gu, Xiubin;
 MacDermott, Richard P.; Podolsky, Daniel K.; Reinecker, Hans-Christian
 SO Journal of Biological Chemistry (2001), 276(38), 35571-35580
 CODEN: JBCHA3; ISSN: 0021-9258

L1 ANSWER 24 OF 24 CAPLUS COPYRIGHT 2005 ACS on STN
 TI Induction of Tight Junctions in Human Connexin 32 (hCx32)-Transfected
 Mouse Hepatocytes: Connexin 32 Interacts with Occludin
 AU Kojima, Takashi; Sawada, Norimasa; Chiba, Hideki; Kokai, Yasuo; Yamamoto,
 Masao; Urban, Marcia; Lee, Gang-Hong; Hertzberg, Elliot L.; Mochizuki,
 Yohichi; Spray, David C.
 SO Biochemical and Biophysical Research Communications (1999), 266(1),
 222-229
 CODEN: BBRCA9; ISSN: 0006-291X

=>

LOCUS AAG17984 230 aa linear PRI 03-OCT-2000

DEFINITION claudin 2 [Homo sapiens].

ACCESSION AAG17984

VERSION AAG17984.1 GI:10503980

DBSOURCE locus AF177340 accession AF177340.1

KEYWORDS .

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini;
Hominidae; Homo.

REFERENCE 1 (residues 1 to 230)

AUTHORS Gu,J.R., Wan,D.F., Zhao,X.T., Zhou,X.M., Jiang,H.Q., Zhang,P.P.,
Qin,W.X., Huang,Y., Qiu,X.K., Qian,L.F., He,L.P., Li,H.N., Yu,Y.,
Yu,J. and Han,L.H.

TITLE Novel human cDNA clone with function of inhibiting cancer cell
growth

JOURNAL Unpublished

REFERENCE 2 (residues 1 to 230)

AUTHORS Gu,J.R., Wan,D.F., Zhao,X.T., Zhou,X.M., Jiang,H.Q., Zhang,P.P.,
Qin,W.X., Huang,Y., Qiu,X.K., Qian,L.F., He,L.P., Li,H.N., Yu,Y.,
Yu,J. and Han,L.H.

TITLE Direct Submission

JOURNAL Submitted (06-AUG-1999) National Laboratory For Oncogenes & Related
Genes, Shanghai Cancer Institute, 25/Ln 2200 Xie Tu Road, Shanghai
200032, P.R. China

COMMENT Method: conceptual translation supplied by author.

FEATURES Location/Qualifiers

source 1..230

/organism="Homo sapiens"

/db_xref="taxon:9606"

/clone="SP82"

Protein 1..230

/product="claudin 2"

/note="similar to Mus musculus claudin 2"

CDS 1..230

/coded_by="AF177340.1:520..1212"

ORIGIN

1 maslglqlvg yilgllgllg tlvamllpsw ktssyvgasi vtavgfsgkl wmcathstg
61 itqcdiystl lglpadiqaa qammvtssai sslaciisvv gmrctvfcqe srakdrvava
121 ggfvffilggl lgfipvawnl hgilrdfysp lvpdsmkfei gealylgiis slfsliagii
181 lcfscssqrn rsnnydayqa qplatrsspr pgqppkvkse fnsysltgyv

//

LOCUS AF358907 953 bp mRNA linear MAM 08-MAY-2001
 DEFINITION Canis familiaris integral membrane protein claudin-2 mRNA, complete cds.
 ACCESSION AF358907
 VERSION AF358907.1 GI:13991612
 KEYWORDS .
 SOURCE Canis familiaris (dog)
 ORGANISM Canis familiaris
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Laurasiatheria; Carnivora; Fissipedia; Canidae; Canis.
 REFERENCE 1 (bases 1 to 953)
 AUTHORS Furuse,M., Furuse,K., Sasaki,H. and Tsukita,S.
 TITLE Conversion of zonulae occludentes from tight to leaky strand type by introducing claudin-2 into Madin-Darby canine kidney I cells
 JOURNAL J. Cell Biol. 153 (2), 263-272 (2001)
 PUBMED 11309408
 REFERENCE 2 (bases 1 to 953)
 AUTHORS Furuse,M., Furuse,K., Sasaki,H. and Tsukita,S.
 TITLE Direct Submission
 JOURNAL Submitted (09-MAR-2001) Cell Biology, Kyoto University, Faculty of Medicine, Yoshida-Konoe, Sakyo, Kyoto 606-8501, Japan
 FEATURES Location/Qualifiers
 source 1..953
 /organism="Canis familiaris"
 /mol_type="mRNA"
 /db_xref="taxon:9615"
 /sex="male"
 /tissue_type="liver"
 CDS 59..751
 /note="localizes to tight junctions"
 /codon_start=1
 /product="integral membrane protein claudin-2"
 /protein_id="AAK51433.1"
 /db_xref="GI:13991613"
 /translation="MASLGLQLVGYYILGLLGLLGLTLVAMLLPSWRTSSYVGTSIVTAV
 GFSKGLWMECATHSTGITQCDIYSTLLGLPADIQAAQAMMVTSSAISSLACIVSVVGM
 RCTVFCQDSRAKDR LAVVGGVFFIIGLLGFIPVAWNLHGILRDFYSPLVPDSMKFEI
 GEALYLGIISSLFSLVAGIILCFSCPLQGNRSDYYDSYQAQPLATRGSPRPGQPPKAK
 SEFNYSYSLTGYYV"

ORIGIN
 1 ctgcagcccg gaaggcaaag gaacaagccc tgaagacact tctgctggga ggtccgccat
 61 ggccctctctc ggccctccaac ttgtaggcta catcctaggc ctcctggggc tggtggggcac
 121 cctgggtggcc atgctgcttc ccagctggcg aacaagctcc tacgttggtg ccagcatcgt
 181 gacggcggtc ggcttctcca agggcctctg gatggagtgc gccacacaca gcacaggcat
 241 aaccagtggt gacatctaca gcaccctcct aggcctgcct gctgacatcc aggtgcccc
 301 ggccatgatg gtgacatcca gtgcgatctc ttcgttggcc tgcattgtct ctgtggtggg
 361 catgagatgc actgtcttct gccaggactc ccgagccaaa gacagactgg cggtggtggg
 421 tggagtcttc ttcattcatt gaggcctcct gggcttcac cccgttgcc ggaaccttca
 481 cgggactctg cgggacttct actccccgct ggtaccgat agcatgaagt tcgagatcgg
 541 agaagctctc tacctgggca ttatttctc cttgttctcc ctggtagctg gcatcatcct
 601 ctgcttttcc tgccactcc agggaaatcg ctccgactac tatgactcct accaggccca
 661 gcccttgca actagaggct ctccaaggcc gggtaaccg cccaaagcca agagcgagtt
 721 taactcctac agcctgacag ggtatgtgtg aagaaccagg ggccagagct aggggggcgg
 781 ttggtggccg agtctgtgaa aaccagtga cagcacctcc caaaccacca cccctggggc
 841 cacaggtgag ggacattggc actgtatcat gtcagaagg gctgctgagg ctagattgac
 901 tttgcccact ggatcaagtg aaggcagaaa tgagaactgg tgcaacagca tgc

//

SEQUENCE COMPARISON

Canine Claudin-2

CLD2_CANFA

ID CLD2_CANFA STANDARD; PRT; 230 AA.
 AC Q95KM6;
 DT 28-FEB-2003 (Rel. 41, Created)
 DT 28-FEB-2003 (Rel. 41, Last sequence update)
 DT 28-FEB-2003 (Rel. 41, Last annotation update)
 DE Claudin-2.
 GN CLDN2.
 OS Canis familiaris (Dog).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Carnivora; Fissipedia; Canidae; Canis.
 OX NCBI_TaxID=9615;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC TISSUE=Liver;
 RX MEDLINE=21206012; PubMed=11309408;
 RA Furuse M., Furuse K., Sasaki H., Tsukita S.;
 RT "Conversion of zonulae occludentes from tight to leaky strand type by
 RT introducing claudin-2 into Madin-Darby canine kidney I cells.";
 RL J. Cell Biol. 153:263-272(2001). April
 CC -!- FUNCTION: Component of tight junction (TJ) strands.
 CC -!- SUBCELLULAR LOCATION: Integral membrane protein.
 CC -!- SIMILARITY: Belongs to the claudin family.
 DR EMBL; AF358907; AAK51433.1; -.
 DR InterPro; IPR006187; Claudin.
 DR InterPro; IPR005411; Claudin2.
 DR InterPro; IPR006188; Claudin_reg.
 DR InterPro; IPR004031; PMP22_Claudin.
 DR Pfam; PF00822; PMP22_Claudin; 1.
 DR PRINTS; PR01077; CLAUDIN.
 DR PRINTS; PR01589; CLAUDIN2.
 DR PROSITE; PS01346; CLAUDIN; 1.
 KW Tight junction; Transmembrane.
 FT TRANSMEM 8 28 POTENTIAL.
 FT TRANSMEM 82 102 POTENTIAL.
 FT TRANSMEM 117 137 POTENTIAL.
 FT TRANSMEM 163 183 POTENTIAL.
 SQ SEQUENCE 230 AA; 24502 MW; 91B71C1E5CDC4BE9 CRC64;

Query Match 95.3%; Score 1119; DB 1; Length 230;
 Best Local Similarity 93.5%; Pred. No. 1.6e-87;
 Matches 215; Conservative 8; Mismatches 7; Indels 0; Gaps 0;

```

Qy      1 MASLGLQLVGYYILGLLGLLGTLVAMLLPSWKTSYVVGASIVTAVGFSKGLWMECATHSTG 60
          |||:|||||
Db      1 MASLGLQLVGYYILGLLGLLGTLVAMLLPSWRTSSYVGTSIVTAVGFSKGLWMECATHSTG 60

Qy      61 ITQCDIYSTLLGLPADIQAAQAMMVTSSAIISSLACIISVVGMRCTVFCQESRAKDRVAVA 120
          |||:|||||:|||||:
Db      61 ITQCDIYSTLLGLPADIQAAQAMMVTSSAIISSLACIVSVVGMRCTVFCQDSRAKDLAVV 120

Qy      121 GGVFFILGGLLGFIPIVAVNLHGILRDFYSPLVPDSMKFEIGEALYLGIISSLSLIAGII 180
          |||:|||||:|||||:
Db      121 GGVFFIIGGLLGFIPIVAVNLHGILRDFYSPLVPDSMKFEIGEALYLGIISSLSLVAGII 180

Qy      181 LCFSCSSQRNRSNYYDAYQAQPLATRSSPRPGQPPKVKSEFNSSYSLTGIV 230
          ||||| | |||:||||| ||||| ||||| |||||

```

Db

181 LCFSCPLQGNRSDYYDSYQAQPLATRGSPRPGQPPKAKSEFNSYSLTGYV 230